

**In the Claims:**

The following listing of claims replaces all prior versions and listings of claims in the case.

1. (Canceled).
2. (Currently amended): Isolated *Escherichia coli* (*E. coli*) having a growth rate that is at least 5% greater than the growth rate of *E. coli* MM294, wherein said isolated *E. coli* ~~are~~ does not contain genetic material of ~~resistant to infection by~~ bacteriophage Wphi.
3. (Currently amended): Isolated *E. coli* having a growth rate that is at least 5% greater than the growth rate of *E. coli* MM294, wherein said isolated *E. coli* are ~~resistant to infection by~~ does not contain genetic material of bacteriophage Mu.
4. (Currently amended): The isolated *E. coli* of claim 2, wherein said isolated *E. coli* additionally do not contain ~~any detectable~~ genetic material of one or more bacteriophage types selected from the group consisting of Mu, T1, T2, T3, T4, T5, T6 and T7.
5. (Previously presented): The isolated *E. coli* of claim 4, wherein said isolated *E. coli* lack detectable levels of at least one endogenous plasmid.
6. (Previously presented): The isolated *E. coli* of claim 2, wherein said isolated *E. coli* lack detectable levels of at least one endogenous plasmid.
7. (Previously presented): The isolated *E. coli* of claim 3, wherein said isolated *E. coli* lack detectable levels of at least one endogenous plasmid.
8. (Previously presented): The isolated *E. coli* of claim 4, wherein said isolated *E. coli* contain one or more genotype markers selected from the group consisting of: *recA*<sup>-</sup>, *lacZ*<sup>-</sup>,  $\Delta lon$ , *ompT*<sup>-</sup>, *endA1*, *rnaE*<sup>-</sup>, *rnaI*<sup>-</sup>, *hsdR17*(rK<sup>-</sup>, mK<sup>+</sup>), *hsdS20*(rB<sup>-</sup>, mB<sup>+</sup>), *merA*, *mcrB*, *mrr*, *deoR*, *supE* and *supF*.

9. (Previously presented): The isolated *E. coli* of claim 4, wherein said isolated *E. coli* contain one or more genotype markers selected from the group consisting of: *recA1*, *recA13*,  $\Delta$ *recA*, *lacX74*, and *lacZ* $\Delta$ M15.
10. (Previously presented): The isolated *E. coli* of claim 4, wherein said isolated *E. coli* contain an F' episome or portions thereof.
11. (Previously presented): The isolated *E. coli* of claim 4, wherein said isolated *E. coli* have a growth rate that is at least 25% greater than the growth rate of *E. coli* MM294.
12. (Previously presented): The isolated *E. coli* of claim 4, wherein said isolated *E. coli* have a growth rate that is at least 50% greater than the growth rate of *E. coli* MM294.
13. (Previously presented): The isolated *E. coli* of claim 4, wherein said isolated *E. coli* have a growth rate that is at least 100% greater than the growth rate of *E. coli* MM294.
14. (Previously presented): The isolated *E. coli* of claim 4, wherein said isolated *E. coli* are *E. coli* strain W or strain C.
- 15 – 76 Canceled).
77. (Currently Amended): A composition comprising isolated *E. coli*, wherein the isolated *E. coli* of said composition have a growth rate that is at least 5% greater than the growth rate of *E. coli* MM294, and wherein the *E. coli* of said composition is ~~resistant to infection by~~ do not contain the genetic material of bacteriophage Mu.
78. (Currently Amended): The composition of claim 77, wherein the isolated *E. coli* of said composition is a derivative of JDP674 ~~or progenies thereof~~.
79. (Currently Amended): A composition comprising isolated *E. coli*, wherein the isolated *E. coli* of said composition have a growth rate that is at least 5% greater than the growth rate of *E. coli*

MM294, and wherein the *E. coli* of said composition ~~do not contain detectable levels of genetic material of~~ do not contain the genetic material of bacteriophage Wphi.

80 - 107. (Canceled).

- 108. (New): Isolated *Escherichia coli* (*E. coli*) having a growth rate that is at least 5% greater than the growth rate of *E. coli* MM294, wherein said isolated *E. coli* is cured of at least one bacteriophage.
- 109. (New): The isolated *E. coli* of claim 108, wherein the at least one bacteriophage is selected from the list Wphi, Mu, T1, T2, T3, T4, T5, T6 and T7.
- 110. (New): The isolated *E. coli* of claim 108, wherein the bacteriophage is Wphi.
- 111. (New): The isolated *E. coli* of claim 108, wherein the bacteriophage is Mu.
- 112. (New): The isolated *E. coli* of claim 108, wherein the isolated *E. coli* are *E. coli* strain W or strain C.
- 113. (New): The isolated *E. coli* of claim 108, wherein at least a portion of the isolated *E. coli* lack detectable levels of at least one endogenous plasmid.
- 114. (New): The isolated *E. coli* of claim 108, wherein at least a portion of the *E. coli* are rendered competent.
- 115. (New): The isolated *E. coli* of claim 108, wherein at least a portion of the *E. coli* are rendered chemically competent.
- 116. (New): The isolated *E. coli* of claim 108, wherein at least a portion of the *E. coli* are rendered electro-competent.
- 117. (New): The isolated *E. coli* of claim 108, wherein the growth rate of the *E. coli* is between 25% to 100% greater than the growth rate of *E. coli* MM294.